

BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102
Denver, Colorado 80202
Phone: 303-296-3010
Fax: 303-298-8143
E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 10351

LOCATION WCR 49 + 76

FOREMAN Mike Rosalez
L.R. Markus

TREATMENT REPORT

DATE 10-5-11	WELL NAME Bay USA AB 31.05	SECTION 31	TWP 7	RGE 64W	COUNTY Weld	FORMATION
CHARGE TO Noble			OWNER			
MAILING ADDRESS			OPERATOR Noble			
CITY			CONTRACTOR			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION 11:30 AM			TIME LEFT LOCATION 2:00 PM			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 966	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 917.58	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 958.71		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 241BS	PACKER DEPTH		[] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION Good			[] PRODUCTION CASING		INITIAL BPM
			[] SQUEEZE CEMENT		FINAL BPM
			[] ACID BREAKDOWN		MINIMUM BPM
			[] ACID STIMULATION		MAXIMUM BPM
			[] ACID SPOTTING		AVERAGE BPM
			[] MISC PUMP		
			[] OTHER		HYD HHP = RATE X PRESSURE X 40.8

PRESSURE SUMMARY			
BREAKDOWN or CIRCULATING	psi	AVERAGE	psi
FINAL DISPLACEMENT	psi	ISIP	psi
ANNULUS	psi	5 MIN SIP	psi
MAXIMUM	psi	15 MIN SIP	psi
MINIMUM	psi		

INSTRUCTIONS PRIOR TO JOB Rig up, Sattym meeting, PSE Test, Circulate 60 BBls H₂O KCL mix, 2" 10 Dye mix Pump a lead 261 SKs of Neat Cement yield 1.32 at 14.71BS then mixed Pump Tail of 100 SKs Cement 30% Excess yield 1.27 at 15.21BS. Release Plug Displace 584 BBls H₂O Pump Plug 150 air lift wait Sam. Release PS Washup Rig Down

Arrived with 540 SKs Neat Cement 200 SKs of 3% 16grs KCL 1600 Dye

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Sattym meeting 12:00 PM Circulate 12:26 PM Cement 12:40 PM
Drop Plug 1:10 PM Displace 1:10 PM

10 BBls at 5-5 BBls/m 290 PSE 1:13 PM	used 20 % Excess Lead
20 BBls at 5-5 BBls/m 320 PSE 1:15 PM	used 40 % Excess Tail
30 BBls at 5-5 BBls/m 420 PSE 1:17 PM	used 261 SKs Neat Cement
10 BBls at 5-0 BBls/m 510 PSE 1:19 PM	used 100 SKs BFW 3%
50 BBls at 5-0 BBls/m 590 PSE 1:22 PM	61.3 Slurry Lead
584 BBls at 1-5 BBls/m 330 PSE 1:25 PM	22.6 Slurry Tail
Bump Plug 1:25 650 PSE	

BBls BACK (17)

AUTHORIZATION TO PROCEED

TITLE

DATE

10-5-11

Customers hereby acknowledges and specifically agrees to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity